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10 July 1957

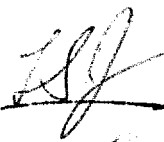
To: WRSP(1)
WRSP(2)
WRSP(3)

Info: Headquarters ✓

Subject: SYSTEM 1 TEST SET

Ernie T.

Dan



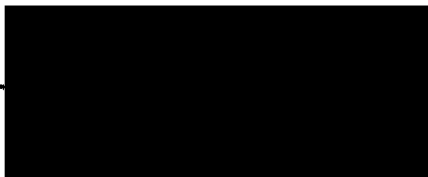
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When replacing the 2K41 S-band klystron in the System 1 Test Set, it may be necessary to adjust the control grid voltage to obtain satisfactory performance for both pulse and CW operation. For some tubes this control grid voltage is rather critical and is best adjusted by observing the detected pulse wave shape and then checking for proper performance on CW and then observing the pulse wave form when switching back to pulse operation.

The best way to adjust this voltage is to eliminate R549 (13 K) resistor and change R548 from a 100 K fixed resistor to a 100 K 2-watt potentiometer. The center tap of the potentiometer should be connected to the choke in series with the control grid. The voltage from control grid to the cathode should never exceed +50 volts.

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